



A MEMBER OF THE **CPDI**  
An Information Portal to Biological Macromolecular  
Structure

As of Tuesday May 20, 2008 there are 50961 Structures | PC  
Statistics

[CONTACT US](#) | [HELP](#) | [PRINT PAGE](#)

☒ PDB ID or keyword ☐ Author

Site Search

☒ | [Advanced Search](#)

[Home](#) [Search](#) [Results](#) [Queries](#)

- ☒ Results (51-60 of 64)
- ☒ Results ID List
- ☒ Modify / Refine this Search
- ☒ 3 Structures Awaiting Release
- ☒ Select All
- ☒ Deselect All
- ☒ Download Selected
- ☒ Tabulate
- ☒ Narrow Query
- ☒ Sort Results
- ☒ Results per Page
- ☒ Show Query Details
- ☒ Results Help



Refine this query by  
selecting the link "Refine  
this Search" in the menu  
above.

Are you missing data updates? The PDB archive has moved  
to <ftp://ftp.wwpdb.org>.  
For more information click [here](#).

[Help](#) [64 Structure Hits](#) [52 Ligand Hits](#) [3 Unreleased Structures](#)

[37 Citations](#) [26 Web Page Hits](#) [GO Hits](#) [SCOP Hits](#) [CATH Hits](#)

### Advanced Keyword Query for: dipeptidyl peptidase IV

1 2 3 4 5 6 7

☒ 2eep



Prolyl Tripeptidyl Aminopeptidase  
Complexed with an Inhibitor

Release Date: 19-Feb-2008 Exp. Method:

Resolution: 2.20 Å

**Characteristics**

**Classification** Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl aminop  
putative Fragment: residues 39-732 (C  
no.: 3.4.14.-

**Authors**

Xu, Y., Nakajima, Y., Ito, K., Yoshi

☒ 2qoe



Human Dipeptidyl Peptidase IV in  
complex with a Triazotriperazine-  
based beta amino acid inhibitor

Release Date: 06-Nov-2007 Exp. Method:

Resolution: 2.30 Å

**Characteristics**

**Classification** Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptida  
Fragment: Catalytic Domain Mutation: S

Chains: A,B EC no.: 3.4.14.5

Polymer: 2 Molecule: SUGAR (2-MER)

Polymer: 3 Molecule: SUGAR (2-MER)

**Authors**

Scapin, G.

☒ 2qt9



Human dipeptidyl peptidase  
iv/ cd26 in complex with a 4-aryl  
cyclohexylalanine inhibitor







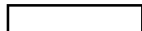





Release Date: 06-Nov-2007 Exp. Method:

Resolution: 2.10 Å

**Characteristics**

**Classification** Hydrolase

Polymer: 1 Molecule: Dipeptidyl peptida

					Mutation: T39S Chains: A,B EC no.: 3.4.14.5 Polymer: 2 Molecule: SUGAR (2-MER) Polymer: 4 Molecule: SODIUM ION Polymer: 5 Molecule: (2S,3S)-3-AMINO FLUOROPYRROLIDIN-1-YL)-N,N-DIM OXO-2-(TRANS-4-[1,2,4]TRIAZOLO[1,5-YLCYCLOHEXYL)BUTANAMIDE
	Compound				
	Authors				Scapin, G.
<input checked="" type="checkbox"/> 2qtb					Human dipeptidyl peptidase iv/ cd26 in complex with a 4-aryl cyclohexylalanine inhibitor
	Characteristics				Release Date: 06-Nov-2007 Exp. Method: X-ray Resolution: 2.25 Å
	Classification				Hydrolase
					Polymer: 1 Molecule: Dipeptidyl peptidase iv/ cd26 Mutation: T39S Chains: A,B EC no.: 3.4.14.5 Polymer: 2 Molecule: SUGAR (2-MER) Polymer: 4 Molecule: SODIUM ION Polymer: 5 Molecule: (2S,3S)-3-AMINO DIFLUOROPYRROLIDIN-1-YL)-N,N-DIM OXO-2-(TRANS-4-[1,2,4]TRIAZOLO[1,6-YLCYCLOHEXYL)BUTANAMIDE
	Compound				
	Authors				Scapin, G.
<input checked="" type="checkbox"/> 3c43					Human dipeptidyl peptidase IV/ CD26 in complex with a fluorocolefin inhibitor
	Characteristics				Release Date: 22-Apr-2008 Exp. Method: X-ray Resolution: 2.30 Å
	Classification				Hydrolase
					Polymer: 1 Molecule: Dipeptidyl peptidase iv/ cd26 Fragment: Catalytic domain Mutation: S39S Chains: A,B EC no.: 3.4.14.5 
	Compound				Polymer: 2 Molecule: SUGAR (2-MER) Polymer: 4 Molecule: SUGAR (2-MER) Polymer: 5 Molecule: SUGAR (2-MER)
	Authors				Scapin, G., Edmondson, S.D., Weber, T.
<input checked="" type="checkbox"/> 3c45					Human dipeptidyl peptidase IV/ CD26 in complex with a fluorocolefin inhibitor
	Characteristics				Release Date: 22-Apr-2008 Exp. Method: X-ray Resolution: 2.05 Å
	Classification				Hydrolase
					Polymer: 1 Molecule: Dipeptidyl peptidase iv/ cd26 Fragment: Catalytic domain Mutation: S39S Chains: A,B EC no.: 3.4.14.5 
	Compound				Polymer: 2 Molecule: SUGAR (2-MER) Polymer: 4 Molecule: SUGAR (2-MER)
	Authors				Scapin, G., Edmondson, S.D., Weber, T.

☒ 2i78

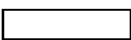
Crystal structure of human dipeptidyl peptidase IV (DPP IV) complexed with ABT-341, a cyclohexene-constrained phenethylamine inhibitor

Release Date: 09-Oct-2007 Exp. Method:

Resolution: 2.50 Å

**Characteristics****Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptida

Chains: A,B,C,D EC no.: 3.4.14.5

**Authors**

Longenecker, K.L., Pei, Z., Li, X.

☒ 2hha

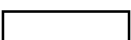
The structure of DPP4 in complex with an oxadiazole inhibitor

Release Date: 19-Sep-2006 Exp. Method:

Resolution: 2.35 Å

**Characteristics****Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: Hypothetical prote  
Fragment: catalytic domain (39-766)

Chains: A,B EC no.: 3.4.14.5

Polymer: 2 Molecule: SUGAR (2-MER)

Polymer: 4 Molecule: SUGAR (2-MER)

Polymer: 5 Molecule: SUGAR (2-MER)

**Authors**

Scapin, G.

☒ 2z3w

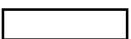
Prolyl tripeptidyl aminopeptidase mutant E636A

Release Date: 19-Feb-2008 Exp. Method:

Resolution: 2.00 Å

**Characteristics****Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl aminop

Fragment: residues 39-732 Mutation: E6

Chains: A EC no.: 3.4.14.-

**Authors**

Xu, Y., Nakajima, Y., Ito, K., Yoshi

☒ 2z3z

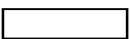
Prolyl tripeptidyl aminopeptidase mutant E636A complexd with an inhibitor

Release Date: 19-Feb-2008 Exp. Method:

Resolution: 1.95 Å

**Characteristics****Classification**

Hydrolase

**Compound**



Polymer: 1 Molecule: Dipeptidyl aminop

Fragment: residues 39-732 Mutation: E6

Chains: A EC no.: 3.4.14.-

**Authors**

Xu, Y., Nakajima, Y., Ito, K., Yoshi

 1 2 3 4 5 6 7 

© RCSB Protein Data Bank